



SYLLABUS FOR SESSION 2024-25

CLASS – XII

Subject : English

Sr..	Duration	Chapter/Topic	Syllabus covered	Pedagogy	Art integrated /learning Activity
1	APRIL	My mother at 66 the last lesson	1 Poem with poetic devices RTC's MCQ book questions chauvinism impact of wars	Introduction to the poem by making in interesting and relatable to the student learn about the poet prior to reading the poetry	Debate /group discssion mind map.
		Notice writing letter to the editor lost spring.	format and presentation part of letter. Social and moral issues will be discussed	format and sample will be shared assign an initial letter writing exercise introduction to different type of letter. The theme of the lesson - poverty social stigma hollow promises of the policy makers family lineage will be discussed.	experience based notice writing question will be given . Write letter for news paper column on some contempory issues. Article writing and on broken dreams and aspirations of the underprivileged
3	MAY	1. The Third Level 2. Classified Ads	1. Character Analysis 2. Grand Central Description 3. Concept of Time Travel. 4. Types of Advertisemnts 5. Categories and Samples	- The theme of lesson - Time Travel, Stress of the modern world. - How war brings destruction. - Modern Vs Ancient Fashion & Traits - Use of News Paper Cuttings to teach .	1. Mind Map 2. Poster related to the topic. 3. Design Digital & Written Ads as per the format.
4		1. Report Writing 2. Keeping Quiet	1. Types of Reports - News Paper Report - Magazine Report 2. Format and Samples 3. Paraphrasing & Poetic Devices. 4. RTC's and Textual Questions 5. Theme & Competency	- Observational Skills - Visual inductive and deductive reasoning. - Importance of introspection & keeping quite. - War against nature and war again men. - Classroom activity - 1 minute silence.	1. Activity - Pair-Share, Think- Write, Write -Share 2. Poster - Draw any scene of the poem and write few lines on it.
5	JULY	1. Indigo	1. Discussion about Interview with Louis Fisher 2. Information about background of Inidian independent movement. 3. Characters and their roles. 4. Champaran Movement. 5. Professional ethics Vs social obligations	- Life of Gandhi and his mission. - Role of european disciple of Gandhi. - Indian Revolution and unity. - Contribution in indian independence.	1. Project Work - Indigo Movement. 2. Poster on Communal Harmony.

6		1. An Elementary School in a Slum 2. Deep Water	1. Poem with Poetic Devices 2. RTC's, MCQ's, Text Book Questions. 3. Socio-Economic Inequality 4. Measures to curb poverty and uplift education sector. 5. Chapter- Characters, Competency, Theme.	- The students can be asked to find out the reasons for their poverty and misery that prevails in slum. - Visualization of classroom in slum - Spontaneous Question based on social backwardness. - Introduction to Hydrophobia. - Discussion on types fear on individual basis. - Ways to overcome through some success stories.	1. Group Discussion - Role of Government to tackle the issues. 2. Individual Activity - Pen down an incident when encountered with personal fear.
7	AUGUST	1. The Enemy	1. War and consequences. 2. War brings destructions. 3. Characters and their roles. 4. Protagonist Dilema. 5. Conflict of duty. 6. Selflessness towards the country.	- Role Play while reading the chapter - Group Discussion on different connecting topics. - Brain storming about the wars and services of some important professionals	1. Group Discussion - on possibility of world war 3.
8		1. Should Wizard Hit Mommy 2. On the Face of it	1. Role Reversal. 2. Parenting & Adolescence Issues. 3. World of Specially Abled People. 4. Looks are deceptive	- Role Play while reading the chapter - Group Discussion on different connecting topics. - Brainstorming about the wars and services of some important professionals	1. Story Narration - Narrate your favourite bedtime story. 2. Individual Interaction to invoke sympathy and empathy.
TERM - 2					
9	SEPTEMBER	1. A Thing of Beauty 2. Job Application	1. Poem Paraphrasing and Poetic Devices. 2. RTC's 3. List of Beautiful Things around us 4.	- The Spiritual Aspect Of The Poem Is Highlighted Using The Imagery Of 'Immortal Drink Over Flowing From Heaven's Brink' - List Out Factors That make men sad & dispirited. - Explanation - With the help of things around us in nature.	1. Article Writing - Article on the Impact of beautiful things in our real life 2. Activity - Find educational skillsets for different profiles.
10	OCTOBER	1. The Rattrap	1. Character Analysis 2. Discussion about cultural and human values 3. Impact of society on mindset of people	- Discussion on Temptations of life - Importance of Metaphor. - Sympathy and Empathy - Open House Discussion on the title of the chapter	1. Project on Kindness & Acceptance 2. Discussion about people whose kindness and acceptance brought a change in the mindset of the people.
11		1. Evans Tries an O' Level	1. Character Analysis. 2. Theme and contemporary issues. 3. Psychological disorders. 4. Criminals Vs Law Enforcement System.	- Discussion and introduction to term 'KLEPTOMANIAC' - Role Play Activity: to make the reader understand the plot and characters.	1. Mind Map 2. Enactment - Governor Vs Evans the Break.

11	NOVEMBER	1. Aunt Jennifer's Tiger. 2. Invitation	1. Theme of the Poem. 2. Patriarchal World. 3. Domestic Violence. 4. Gender Inequality	- Paraphrasing & Poetic Devices. - Symbolism - Oppression & Suppression. - Invitation - Format, Types and Samples	1. Debate - Role of a Women in Indian Society. 2. Design a Handmade Invitation Card
12		Sample Paper Discussion	1. CBSE Sample Paper & Marking Scheme Discussion. 2. Solve the Paper on Timer	- Discussion on the pattern of Questions. - Key points and Value Based points will be discussed.	1. Solve the Paper on the Timer.
submitted by			Regina	Prescribed Books-	1. Flamingo 2. Vistas

Subject : Accountancy

Sl.	Month	Duration	NTP	Chapter	Syllabus Covered	Pedagogy	Activities
1	January	1 Month	8-10	Issue of Shares	Introduction to shares, types of shares, processes involved in the issue of shares at par and premium, forfeiture and reissue, legal requirements, underwriting and oversubscription, allotment of shares	Lecture, Group Discussion	Case Study on Share Market
2	February	1 Month	8-10	Issue of Debentures	Definition and types of debentures, issue of debentures at par, premium and discount, debenture interest, redemption of debentures	Interactive Sessions, Problem Solving	Analyzing a Company's Debenture Issue
3	April	1 Month	12-14	Financial Statements, Analysis, Ratio Analysis	Preparation of financial statements, objectives and limitations of financial statements, tools for financial statement analysis, ratio analysis types and applications.	Lectures, Group Projects	Financial Statement Analysis of Businesses
4	May	1 Month	8-10	Ratio Analysis Continued, Cash Flow Statement	Detailed analysis of liquidity ratios, profitability ratios, solvency ratios, and activity ratios, preparation and analysis of cash flow statements as per AS-3, operating, investing, and financing activities.	Workshops, Case Studies	Project on Cash Flow Analysis
5	July	1 Month	8-10	Fundamentals of Partnership, Nature and Evaluation of Goodwill	Fundamentals of Partnership: Meaning and features of partnership, meaning and provisions of partnership deed, profit and loss appropriation account, treatment of interest, capital, and drawings. Nature and Evaluation of Goodwill: Factors affecting goodwill, methods of valuation of goodwill.	Discussion, Role Play	Creating a Partnership Agreement

6	August	1 Month	8-10	Change in Profit Sharing Ratio, Admission of Partnership	Change in profit-sharing ratio among the existing partners, accounting treatment for change in profit sharing ratio, admission of a new partner, revaluation of assets and reassessment of liabilities, adjustment for accumulated profits and losses.	Seminars, Interactive Sessions	Simulation of Partnership Dynamics
7	September	1 Month	8-10	Revision and First Term Exam	Comprehensive revision of all topics covered till now, focusing on key concepts, problem-solving, and application-based learning.	Revision Classes, Mock Tests	Group Study, Peer Teaching
8	October & November	1Month	8-10	Death and Retirement of the Partner, Dissolution of the Partner Firm	Accounting treatment for death and retirement of a partner, calculation of gaining ratio, settlement of accounts, dissolution of partnership firm, various methods of dissolution, and accounting treatment thereof.	Lecture, case Study	Role Play on Dissolution

SUBJECT: - BUSINESS STUDIES

Sn.	Month	Duration	NTP	Chapter	Syllabus Covered	Pedagogy	Activities
1	April	Apr 1-30	8-10	Chapter 1: Nature and Significance of Management	Introduction to management, its characteristics, objectives, importance, and levels. Functions of management.	Lecture, Discussion	Case Studies on Management Practices
2	May	May 1-25	12-14	Chapter 2: Principles of Management, Chapter 3: Business Environment	Concept and significance Fayol's principles of management, Taylor's scientific management, concept and importance of business environment factors, dimensions of business environment, demonetization , impact of government policies on business environment , and its impact on business.	Presentations, Group Discussions	Analysis of Organizational Structures
3	July	July 1-30	12-14	Chapter 4: Planning, Chapter 5: Organizing	Steps in planning process, types of plans, planning tools and techniques. Functional and divisional structure, delegation, formal and informal organizational concept, delegation and decentralization.	Workshops, Role Play	Planning a Start-up Project
4	August	Aug 1-30	12-14	Chapter 6: Staffing, Chapter 7: Directing	Staffing process, recruitment and selection, training and development. Directing function, leadership styles, motivation theories.	Interactive Sessions, Seminars	Interview Simulations
5	September	Sep 1-30	8-10	Chapter 8: Controlling	Concept of controlling, steps in controlling process, techniques of controlling, relationship between planning and controlling.	Case Studies, Group Work	Developing Control Systems for a Business

SYALLBUS SEMESTER – I , CHAPTER 1-8

SEMESTER – II

6	October	Oct 1-30	12-14	Chapter 9: Financial Management, Chapter 10: Financial Markets	Objectives and importance of financial management, financial planning, capital structure, stock market and its operations, money market.	Lectures, Project Work	Analysis of Financial Statements
7	November	Nov 1-30	12-14	Chapter 11: Marketing, Chapter 12: Consumer Protection and Revision	Marketing mix, marketing strategies, consumer protection acts and rights, case studies on consumer protection.	Discussion, Role Playing	Market Survey and Consumer Awareness Campaign

SUBJECT: - COMPUTER SCIENCE

S.NO	Duration	Chapter/Topic	Syllabus Covered	Pedagogy (Learner centred)	Art Interated/ Other Activities
1.	April 1 st – 30 th	Computer Networks	1. Data communication terminologies. 2.Topologies 3.Protocol 4.Web services	LAN, MAN WAN discus with diagram.	Discuss our school network.
2.	May 1 st – 27 th	Files Handling	1. CSV 2.Text	Difference between notepad file and text file.	Draw a flowchart to show the read and write operation on Textand CSV files
3.	July 1 st – 31s	Exception Handling Functions	Exception Handling	Computational Thinking, Constructionist Approach	Discuss try, catch and finally concept.
4.	Aug 1 st – 31 st	Periodic Test-1 + File Handling	Binary	Frame a MIND-MAP indicating the basic operations on binary file.	basic operations on binary file.
5.	Sept 1 st - 30 th	Data Structures	1.Stack	Pictorial representation of push and pop operation of Stack.	Pictorial representation of push and pop operation of Stack.
6	Oct. 1 st – 31 st	1. Database Concepts 2.SQL	Database Terminologies DDL & DML	E-Learning, Discussion, Demonstrative. Online Quiz, Online Demo	Pictorial Representation of the tables and its parts. Draw the Pictorial chart on categories of SQL commands.
7	Nov. 1 st – 30 th	SQL Interface	Implement DDL & DML commands in python	Discussion, Learning by doing.	Connect SQL to python.

SUBJECT: - MATHS

SI.NO	DURATION	CHAPTER/TOPIC	NTP	CONCEPTS COVERED	PEDOGOGY	ACTIVITIES
1.	APRIL 1-30	Matrices and Determinants Inverse Trigonometric Functions	17 07	Order of a matrix, Types of Matrices, Equality of Matrices Operations on Matrices, Symmetric and Skew Symmetric Matrices, Invertible matrices. Range, domain, principal value branch. Graphs of inverse trigonometric functions.	Student teacher interaction, Inductive Deductive, Creativity, Interactive cum discussion method Brainstorming Strategy,	Draw a graph of linear equations in three variables and solve it matrix method Draw a graph of inverse trigonometric functions
2.	MAY 1-25	Linear Programming Relations and Functions	05 15	Mathematical Formulation of LPP, Graphical Solution Reflexive, symmetric, transitive and equivalence relations. One to one and onto functions.	Creativity, Interactive cum discussion method Collaborative Learning Strategy, Brainstorming Strategy, Discussions, Critical Thinking	To make a plan enabling maximum profit under certain given conditions. To demonstrate a function which is one-one To demonstrate a function which is onto To verify that relation of all parallel lines in a plane is an equivalence relation
3.	JULY 1-31	Continuity And Differentiability and Application of derivative	25	Continuity, Differentiability, chain rule, derivative of implicit functions, derivative of logarithmic and exponential functions, Rate of change of quantity, Increasing, Decreasing functions, Maxima and Minima	Cooperative and Collaborative Learning, Hands on Practice,	To understand the concept of maxima and minima by paper cutting and folding.
4	AUGUST 1-31	<i>Vector Algebra</i> Three Dimensional Geometry	10 15	Types of Vectors, Addition of Vectors Multiplication of a Vector by a Scalar, Product of Two Vectors, Direction cosines, Direction ratios of line, equation of a line Skew lines, shortest distance between two lines, Angle between two lines.	PROBLEM SOLVING, hands on practice Problem Solving, Brainstorming, E learning, Questioning	Drawn a lines demonstrate a direction, magnitude To locate the points to given coordinates in space, measure the distance between two points in space and then to verify the distance using distance formula.
5.	SEPTEMBER 1-30	INTEGRALS	25	Integration using Partial Fractions, Integration by Parts, Definite Integrals.	Argumentative Learning, Context Based Learning, Multimedia approach, Computational Thinking, Collaboration	To find the area of rectangle by using definite integrals. Finding the area of a circle.
6.	OCTOBER 1-31	Application of Integrals	10	Area under curve	Argumentative Learning, Context Based Learning, Multimedia approach, Computational Thinking,	To find the area of rectangle by using definite integrals. Finding the area of a circle

		Differential Equations	15	General solutions, Particular solutions, Methods of Solving First Order, First Degree Differential Equation, Homogeneous differential equations	Collaboration PROBLEM SOLVING, Argumentative Learning, Context Based Learning,	To demonstrate linear diff. equation and verify the solution of equation
7.	NOVEMBER 1-30	Probability	20	Conditional Probability, Bayes' Theorem, Random Variable and Probability distribution, Mean of Random Variable	Interactive cum discussion method, Problem solving	To verify the Bayes' theorem on probability for given events , through an example of drawing different colored balls.

SUBJECT: - PHYSICAL EDUCATION

Sr. No.	Duration	Chapter / topic	NTP	Syllabus covered	Pedagogy(Lerner cantered)	Art integrated /other activities
1	Arril	Management of sporting event		Sports management, various committees, fixture and its procedures	Question answer technique	Activities about the fixture
2	May	Children and woment in sports		Common posture deformities, special consideration, female athletes triad	Brainstorming, context based learning.	Write about the common postural deformities
3	May	Yoga as preventive measure for life style disease		Obesity, diabetes, asthma, hypertension	Question answer technique demonstration, context based learning.	Draw five asasnas .
4	July	Physical education and sports (cwsn)		Disability sports, physical activites with cwsn, activities accessible for cwsn	Brainstorming ,context based learning.	Write about the ant two professionals for cwsn .
5	August	Sports and nutrition		Balanced diet, macro and micro nutrients, nutritive and non- nutritive components of diet	Question answer technique, context based learning, incidental learning.	Write about the different types of nutrition
6	September	Test, measurement and evaluation		Fitness test, computing bmi, riskily and jones fitness test.	Brainstorming ,context based learning, question answer technique.	Draw about the bmi.
7	October	Physiology and injuries in sports		Component of physical fitness, muscular system, cardio respiratory system, sports injuries.	Context based learning, brainstorming, question answering technique.	Draw about the deferent types of injuries and its precautions.
8	November	Biomechanics and sports		Law of motions, equilibrium, friction, projectile in sports	Demonstration, context based learning, brainstorming.	Write about the role of equipment used in sports .

9	December	Psychology and sports		Personality, concept of aggressions in sports, psychological attributes in sports	Question answer technique, context based learning, incidental learning.	Write the topic about the self-image, self-talk, goal setting .
10	January	Traning in sports		Talent development in sports, sports training cycle, types of develop strength, speed, endurance, and flexibility and coordination ability.	Explanation methods, brainstorming, context based learning.	Draw about the performance enhancing training .

SUBJECT: - PHYSICS

S. No.	Duration	Chapter/Topic	NTP	SyllabusCovered	Pedagogy (learnercentered)	Art Integrated/Other Activities
1.	April	Electric Charges and Field	16	Chapter 1: Electric Chargesand Field 1) Electric Charges; Conservation of charge, Coulomb's law-force between two points. Electric field, electric field due to a point charge, electric field lines, electric dipole, electric field due to a dipole, torque on a dipole in uniform electric field. Electric flux, statement of Gauss's theorem and its applications.	E-Learning, Brainstorming, Discussion, Contextbased learning. On line teaching, PPT, Short videos. test through Google ,drive practical through animation (ohm's law) lecture method through white board	Make a concept map of the chapter. Practical demonstration of charge and field lines Presentation From the Students. Group Discussion To discuss the Practical Applications
2.	May	Electrostatic Potential And Capacitance	18	Chapter 2: Electrostatic Potential and capacitance. Electric potential, potential difference, electric potential due to a point charge, a dipole and system of charges capacitance of a parallel plate capacitor with and without dielectric medium between the plates, energy stored in a capacitor.	Learning Through Argumentation, Incidental Learning, And Computational Thinking. To make the learners to understand the concept of Electric potential due to different charge distributions and its relation between electric field	Presentation From the Lab Students Demonstration practical through animation PPT To measure resistance, voltage (AC/DC), current (AC) and check
3.	July	Current Electricity + Moving charges and magnetism.	20	Chapter 3: Current Electricity Chapter 4: Moving Charges and Magnetism. Series and parallel combinations of resistors. Kirchhoff's laws and simple applications, Wheatstone bridge, meter bridge, moving coil galvanometer-its current sensitivity and conversion to ammeter and voltmeter.	E- Learning, Discussion, Concept based learning. To make the learners to understand the concept of different electrical devices like wheat stone bridge and its application in meter bridge	Iron Filings Activity. Student will learn about the relation between electricity and Magnetism and different methods to find the Magnetic field due to different types of conductor.

4.	August	Electromagnetic Induction and A.C. Circuits.	18	Chapter6: ElectromagneticInduction Chapter 7: A.C. Circuits. Electromagnetic induction; Faraday's laws, induced EMF and current; Lenz's Law, Eddy currents. 2) Self and mutual induction. Alternating currents, peak and RMS value of alternating current/voltage; reactance and impedance; AC generator and transformer.	Demonstration, E-learning, Activity oriented. To make the learners to understand the application based concept of Electromagnetic Induction (Generator, Transformer, choke coil	Activities based on solenoid explaining the concept of self-induction and mutual induction. Students acquires the basic knowledge about the Principle construction working and real life application of Transformer and Dynamo.
5.	September	EM Waves	6	Chapter 8: EM Waves Basic idea of displacement current, Electromagnetic waves, their characteristics, their transverse nature (qualitative ideas only). 2)Electromagnetic spectrum (radio waves, microwaves, infrared, visible, ultraviolet, X-rays, gamma rays) including elementary facts about their uses	E - learning, Brainstorming, Learning Through Argumentation. To make the learners to understand the generation and real life application of electromagnetic wave depending upon the value of wavelength and frequency	Make PPT on properties and uses of em waves. Group Discussion to discuss the Practical Applications of EMW in field of Communication, Medical, etc
6.	October	Ray Optics+ Wave Optics	7	Chapter 9: Ray Optics Chapter 10:Wave Optics Ray Optics: Reflection of light, spherical mirrors, mirror formula, refraction of light, total internal reflection and its applications.3) Optical instruments: Microscopes and astronomical telescopes (reflecting and refracting) and their magnifying powers. Wave front and Huygens's principle, reflection and refraction of plane wave at a plane surface using wave fronts. Young's double slit experiment. Diffraction due to a single slit	E - Learning, Brainstorming, Learning Through Argumentation.to understand the difference between ray optics and wave optics and different optical phenomena such as interference, Diffraction.	Perform activity through Labs to find the focal length of lens and convex mirror. To find the value of v for different values of u in case of a concave mirror and to find the focal length.
7.	November	Dual Nature Of Light + Atoms + Nuclei+ Semiconductor Electronics	14	Chapter11: Dual Nature Of Light Chapter12: Atoms Chapter13: Nuclei Dual nature of radiation, Photoelectric effect, Hertz and Lenard's observations; Einstein's photoelectric equation-particle nature of light. Matter waves-wave nature of particles, de-Broglie relation. Alpha-particle scattering experiment, Rutherford's model of atom; Bohr model, energy levels, hydrogen spectrum Energy bands in conductors, semiconductors and insulators. 2)Semiconductor diode - I-V characteristics in forward and reverse bias, diode as a rectifier; Special purpose p-n junction diodes:	To understand the dual nature of radiation of light as practical and wave. To make the learners to understand the importance and significance of semiconducting devices in our daily and how they are different from conductor and insulator by explaining different semiconducting devices	To draw the I-V characteristic curve for a p-n junction in forward bias and reverse bias. To identify a diode, an LED, a resistor and a capacitor from a mixed collection of such items. Use of multimeter to see the unidirectional flow of current in case of a diode and an LED and check whether a given electronic component (e.g., diode) is in working Order.

SUBJECT: - CHEMISTRY

S. No.	Duration	NTP	Chapter/ Topic	Syllabus Covered	Pedagogy(learner centered)	Art Integrated/ Other Activities
1.	April		Unit 1:- Solutions	Types of solutions, Raoult's law, colligative properties, Van't Hoff factor	Discussion , context based learning	To prepare solution of alum and mohar solt.
2	APRIL		UNIT -2 ELECTROCHEMISTRY	Specific & molar conductivity, Nernst equation, Kohlrausch's Law, law of electrolysis,	NQUIRY BASED LEARNING	Activity to measure conductivity in water and Citric acid solution.
3	MAY		UNIT-2 ELECTROCHEMISTRY	batteries, COROSION MOLAR CONDUCTIVITY	INQUIRY BASED LEARNING,PROBLEM SOLVING	To prepare a dry cell with the herlp of ammonium chloride,and carbon rod Group discussion
4	JULY		UNIT-3 CHEMICAL KINETICS	Rate of reaction ,order of reaction, Arrhenius equation ,collision theory	Compare contrast method, e-learning	To prepare 250 ml solution of potassium per magnet salt
5	July		Unit- 4 d- block elements	General properties of d- block elements, compounds of d- block elements , Potassium per magnate ,potassium dichromate	Brainstorming method	Draw flow chart of spetrochemical series
6	August		Unit-5 Co-ordination compound	Ligands,co-ordination number.IUPAC nomenclature ,we Werner theory,VBT ,CFT,metal carbonyls	Demonstration ,multimedia ,inductive learning ,student content inquiry	To identify the primary secondary and tertiary alcohol
7	August		Unit-6 Haloalkanes ,and haloarenas	Nomenclature , Prepration, stereochemistry, properties ,of RX and ArX	Flow chat of reaction ,inductive method	Concept map reaction of alcohol

8	September		Revision and term –I Nomenclature ,preparation,physical and chemical properties of alcohol, nature of alcohol	Flow chat of reaction ,inductive reaction	To identify aromatic and aliphatic aldehyde
9	October	Unit-7 Alcohol	Nomenclature ,preparation and properties of aldehyde ketone and carboxylic acid Nomenclature ,preparation ,properties and diazonium salt	Inquiry based learning, differentiations Adaptive learning Reflective and interdisciplinary approach	Group discussion method
10	October	Unit- 8 Aldehyde, ketone and carboxylic acid	Carbohydrates ,proteins amino acids ,vitamins ,nucleic acid		
11	November	Unit -9 : amine			
12	November	unit -10 bimolecule			
13	December	revision and pre board examination		Active learning Adaptive learning	Make model of D.N.A molecule